WEEKLY PROGRESS UPDATE
FOR SEPTEMBER 29 – OCTOBER 3, 2003

EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 and 1-2000-0014

MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from September 29 through October 3, 2003.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of October 3 is summarized in Table 1.

Table 1. Drilling progress as of October 3, 2003

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
EW-275	Demo Area 1 (EW-D1-2)	160		
MW-290	L Range (LP-12)	298	235	100-110; 145-155; 215-225; 245-255
MW-287	Northwest Corner (NWP-6)	140	5	
MW-288	L Range (LP-7)	230	142	

bgs = below ground surface
bwt = below water table

Completed well installation of MW-290 (LP-12) and commenced drilling of EW-275 (EW-D1-2), MW-287 (NWP-6), and MW-288 (LP-7). Well development continued for recently installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-287 and MW-288. Groundwater samples were collected from Bourne water supply and monitoring wells, recently installed wells, residential wells, the Sandwich Fish Hatchery, and as part of the August round of the Draft 2003 Long-Term Groundwater Monitoring Plan. Soil samples were collected from BIP craters, from grids along Canal View Road, south of Gun Position 16, and Gun Position19. Investigation-derived waste (IDW) samples were collected from the Groundwater Activated Carbon (GAC) treatment system.

2. SUMMARY OF DATA RECEIVED

Rush data are summarized in Table 3. These data are for analyses that are performed on a fast turn around time, typically 1-5 days. Perchlorate and explosive analyses for monitoring wells, and perchlorate, explosive and volatile organic compound (VOC) analyses for groundwater profile samples, are conducted in this timeframe, as well as any analyses pursuant to a special request. The rush data are not validated, but are provided as an indication of the most recent preliminary results. Table 3 summarizes only detects, and does not show samples with non-detects.

The status of the explosive detections with respect to confirmation using Photo Diode Array (PDA) spectra is indicated in Table 3. PDA is a procedure that has been implemented for the explosive analysis, to reduce the likelihood of false positive identifications. Where the PDA status is "YES" in Table 3, the detected compound is verified as properly identified. Where the status is "NO", the identification of an explosive has been determined to be a false positive. Where the status is blank, PDA has not yet been used to evaluate the detection, or PDA is not applicable because the analyte is a VOC or perchlorate. Most explosive detections verified by PDA are confirmed to be present upon completion of validation. Table 3 includes the following detections:

Table 3 includes detections from the following areas:

Bourne Area

- Groundwater samples from 02-05M1, M2, M3; 97-2C; and MW-213M3 had detections of perchlorate. The results were similar to the previous sampling rounds.

Demo Area 1

- Groundwater samples from MW-19S; MW-31M, S and duplicate; and MW-73S had detections of various explosives that were confirmed by PDA spectra. The results were similar to the previous sampling rounds.

Northwest Corner

- Groundwater samples from RSNW03 had a detection of perchlorate. The result was similar to the previous sampling rounds.

- Soil samples (199G) collected from along Canal View Rd. had detections of perchlorate.

DELIVERABLES SUBMITTED

MSP3 Final NBC Training Area Geophysical Survey and Investigation Report	09/29/2003
MSP3 Final Ox Pond Geophysical Survey and Investigation Report	09/29/2003
MSP3 Final Suspected Former Demolition Area Geophysical Survey and Investigation Report	09/29/2003
MSP3 Final Area North of Deep Bottom Pond Geophysical Survey and Investigation Report	09/29/2003
Weekly Progress Report for September 22 – September 26, 2003	10/03/2003

3. SCHEDULED ACTIONS

Scheduled actions for the week of October 6 include complete drilling at EW-275 (EW-D1-2), MW-287 (NWP-6), and MW-288 (LP-7) and commence drilling at MW-291 (LP-11). Groundwater sampling at Bourne water supply and monitoring wells, recently installed wells, and as part of the August round of the Draft 2003 Long-Term Groundwater Monitoring Plan will continue. Soil samples will be collected from BIP craters and from the J-3 Hillside/Barrage Rocket Area. Demo Area 1 UXO anomaly removal will also continue.

4. SUMMARY OF ACTIVITIES FOR DEMO AREA 1

The IAGWSP is awaiting EPA and DEP comments on the Draft Groundwater Report Addendum for the Demo 1 Area Groundwater Operable Unit (OU). Modeling activities in support of the Feasibility Study (FS) are currently underway. DEP comments on the Groundwater RRA Plan have been received and a response to comments is being prepared. Geophysical anomaly excavation and removal within the Demo 1 Area depression continues. Preliminary approval of Low Temperature Thermal Treatment, as a replacement for Soil Washing proposed in the Draft RRA Plan, was provided by EPA and DEP on September 26, 2003.

TABLE 2
SAMPLING PROGRESS
09/28/2003 - 10/04/2003

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
HDTT03280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT03280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT03280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT03280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT03280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT03280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT03280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT03280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT06280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT06280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT06280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT06280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT06280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT06280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT06280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT06280201	TT032802-01	10/02/2003	CRATER GRID	0	0.25		
HDTT07290204	TT072902-04	10/02/2003	CRATER GRID	0	0.25		
HDTT07290204	TT072902-04	10/02/2003	CRATER GRID	0	0.25		
HDTT07290204	TT072902-04	10/02/2003	CRATER GRID	0	0.25		
HDTT07290204	TT072902-04	10/02/2003	CRATER GRID	0	0.25		
HDTT07290204	TT072902-04	10/02/2003	CRATER GRID	0	0.25		
HDTT07290204	TT072902-04	10/02/2003	CRATER GRID	0	0.25		
HDTT07290204	TT072902-04	10/02/2003	CRATER GRID	0	0.25		
HDTT07290204	TT072902-04	10/02/2003	CRATER GRID	0	0.25		
HDTT07290204	TT072902-04	10/02/2003	CRATER GRID	0	0.25		
4036000-01G-A	4036000-01G	09/29/2003	GROUNDWATER	38	69.8	6	12
4036000-06G-A	4036000-06G	09/29/2003	GROUNDWATER	108	128	6	12
97-2B-A	97-2B	10/02/2003	GROUNDWATER	121.7	121.7	75.4	75.4
97-2C-A	97-2C	09/29/2003	GROUNDWATER	132	132	68	68
97-2E-A	97-2E	10/01/2003	GROUNDWATER	94.5	94.5	49.8	49.8
97-2F-A	97-2F	09/29/2003	GROUNDWATER	120	120	76.7	76.7
97-2G-A	97-2G	10/01/2003	GROUNDWATER	126.8	126.8	73.7	73.7
FH-1-A	FH-1	10/03/2003	GROUNDWATER				
FH-2-A	FH-2	10/03/2003	GROUNDWATER				
FH-3-A	FH-3	10/03/2003	GROUNDWATER				
FH-3-D	FH-3	10/03/2003	GROUNDWATER				
FH-4-A	FH-4	10/03/2003	GROUNDWATER				
FH-6-A	FH-6	10/03/2003	GROUNDWATER				
RSNW03-A	RSNW03	10/01/2003	GROUNDWATER				
W02-05M1A	02-05	09/29/2003	GROUNDWATER	110	120	81.44	91.44

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

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SAMPLING PROGRESS
09/28/2003 - 10/04/2003

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W02-05M2A	02-05	09/29/2003	GROUNDWATER	92	102	63.41	73.41
W02-05M3A	02-05	09/29/2003	GROUNDWATER	70	80	41.37	51.37
W02-13M1A	02-13	09/30/2003	GROUNDWATER	98	108	58.33	68.33
W02-13M2A	02-13	09/30/2003	GROUNDWATER	83	93	44.2	54.2
W02-13M2D	02-13	09/30/2003	GROUNDWATER	83	93	44.2	54.2
W02-13M3A	02-13	09/30/2003	GROUNDWATER	68	78	28.3	38.3
W114M1A	MW-114	10/02/2003	GROUNDWATER	177	187	96	106
W114M2A	MW-114	10/01/2003	GROUNDWATER	120	130	39	49
W116SSA	MW-116	09/30/2003	GROUNDWATER	102	112	0	10
W123M1A	MW-123	10/01/2003	GROUNDWATER	291	301	153	163
W123M2A	MW-123	10/01/2003	GROUNDWATER	236	246	98	108
W123M2D	MW-123	10/01/2003	GROUNDWATER	236	246	98	108
W129M1A	MW-129	10/02/2003	GROUNDWATER	136	146	66	76
W129M2A	MW-129	10/02/2003	GROUNDWATER	116	126	46	56
W129M3A	MW-129	10/02/2003	GROUNDWATER	96	106	26	36
W133M1A	MW-133	10/02/2003	GROUNDWATER	352	362	136	146
W133M2A	MW-133	10/02/2003	GROUNDWATER	321	331	105	115
W141M2A	MW-141	10/03/2003	GROUNDWATER	162	172	34	44
W146M1A	MW-146	10/03/2003	GROUNDWATER	166	171	75	80
W146SSA	MW-146	10/03/2003	GROUNDWATER	92	102	1	11
W16SSA	MW-16	10/03/2003	GROUNDWATER	125	135	0	10
W175M1A	MW-175	09/30/2003	GROUNDWATER	264	274	136.4	146.4
W175M2A	MW-175	09/30/2003	GROUNDWATER	199	209	71.66	81.66
W175M3A	MW-175	09/30/2003	GROUNDWATER	162	167	34.65	39.65
W183M1A	MW-183	10/02/2003	GROUNDWATER	286	296	103.9	113.9
W183M2A	MW-183	10/02/2003	GROUNDWATER	270	280	87.9	97.9
W183M2D	MW-183	10/02/2003	GROUNDWATER	270	280	87.9	97.9
W21M3A	MW-21	10/02/2003	GROUNDWATER	196	206	28	38
W21SSA	MW-21	10/02/2003	GROUNDWATER	164	174	0	10
W226M1A	MW-226	09/29/2003	GROUNDWATER	285	295	172	182
W226M2A	MW-226	09/29/2003	GROUNDWATER	175	185	61.7	71.7
W23DDA	MW-23	10/03/2003	GROUNDWATER	272	282	149	159
W23M2A	MW-23	10/03/2003	GROUNDWATER	189	194	67	72
W244M1A	MW-244	10/01/2003	GROUNDWATER	270	280	150.73	160.73
W270DDA	MW-270	09/30/2003	GROUNDWATER	132	137	50.89	55.89
W270DDD	MW-270	09/30/2003	GROUNDWATER	132	137	50.89	55.89
W270M1A	MW-270	09/30/2003	GROUNDWATER	74	79	50.72	55.72
W270M1D	MW-270	09/30/2003	GROUNDWATER	74	79	50.72	55.72
W270SSA	MW-270	09/30/2003	GROUNDWATER	22	32	0	10
W37M1A	MW-37	10/01/2003	GROUNDWATER	181	191	62	72

Profiling methods include: Volatiles and Explosives
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09/28/2003 - 10/04/2003

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W37M2A	MW-37	10/01/2003	GROUNDWATER	145	155	26	36
W37M3A	MW-37	10/01/2003	GROUNDWATER	130	140	11	21
W52DDA	MW-52	10/03/2003	GROUNDWATER	369	379	218	228
W52M1A	MW-52	10/03/2003	GROUNDWATER	290	300	139	149
W52M3A	MW-52	10/03/2003	GROUNDWATER	210	215	59	64
W53DDA	MW-53	10/02/2003	GROUNDWATER	283	293	158	168
W53M1A	MW-53	10/03/2003	GROUNDWATER	224	234	99	109
W53M2A	MW-53	10/03/2003	GROUNDWATER	194	204	69	79
W53M3A	MW-53	10/03/2003	GROUNDWATER	164	174	39	49
W53M3D	MW-53	10/03/2003	GROUNDWATER	164	174	39	49
W53SSA	MW-53	10/02/2003	GROUNDWATER	121.15	131.2	0	10
W66M2A	MW-66	10/02/2003	GROUNDWATER	140.8	150.8	22	32
W66M2D	MW-66	10/02/2003	GROUNDWATER	140.8	150.8	22	32
W99M1A	MW-99	10/02/2003	GROUNDWATER	195	205	60	70
W99SSA	MW-99	10/02/2003	GROUNDWATER	133	143	0	10
WS-4-A	WS-4	10/02/2003	GROUNDWATER	200	220	140	160
DW092903-NV	GAC WATER	09/29/2003	IDW	0	0		
DW100303-NV	GAC WATER	10/03/2003	IDW	0	0		
G287DAA	MW-287	10/03/2003	PROFILE	135	135	0.4	0.4
G288DAA	MW-288	10/01/2003	PROFILE	90	90	2	2
G288DBA	MW-288	10/01/2003	PROFILE	100	100	12	12
G288DCA	MW-288	10/01/2003	PROFILE	110	110	22	22
G288DCD	MW-288	10/01/2003	PROFILE	110	110	22	22
G288DDA	MW-288	10/01/2003	PROFILE	120	120	32	32
G288DEA	MW-288	10/01/2003	PROFILE	130	130	42	42
G288DFA	MW-288	10/02/2003	PROFILE	140	140	52	52
G288DGA	MW-288	10/02/2003	PROFILE	150	150	62	62
G288DHA	MW-288	10/02/2003	PROFILE	160	160	72	72
G288DIA	MW-288	10/02/2003	PROFILE	170	170	82	82
G288DJA	MW-288	10/02/2003	PROFILE	180	180	92	92
G288DJD	MW-288	10/02/2003	PROFILE	180	180	92	92
G288DKA	MW-288	10/02/2003	PROFILE	190	190	102	102
G288DLA	MW-288	10/03/2003	PROFILE	200	200	112	112
G288DMA	MW-288	10/03/2003	PROFILE	210	210	122	122
G288DNA	MW-288	10/03/2003	PROFILE	220	220	132	132
G288DOA	MW-288	10/03/2003	PROFILE	230	230	142	142
HC199R1AAA	199R	09/30/2003	SOIL GRID	0	0.5		
HC199R1BAA	199R	09/30/2003	SOIL GRID	1.5	2		
HC200A1AAA	200A	10/01/2003	SOIL GRID	0	0.5		
HC200A1BAA	200A	10/01/2003	SOIL GRID	1.5	2		

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09/28/2003 - 10/04/2003

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
HC200B1AAA	200B	10/01/2003	SOIL GRID	0	0.5		
HC200B1AAD	200B	10/01/2003	SOIL GRID	0	0.5		
HC200B1BAA	200B	10/01/2003	SOIL GRID	1.5	2		
HC200C1AAA	200C	10/01/2003	SOIL GRID	0	0.5		
HC200C1BAA	200C	10/01/2003	SOIL GRID	1.5	2		
HC200D1AAA	200D	10/01/2003	SOIL GRID	0	0.5		
HC200D1BAA	200D	10/01/2003	SOIL GRID	1.5	2		
HC66I1AAA	66I	09/29/2003	SOIL GRID	0	0.5		
HC66I1BAA	66I	09/29/2003	SOIL GRID	1.5	2		
HC66L1AAA	66L	09/29/2003	SOIL GRID	0	0.5		
HC66L1BAA	66L	09/29/2003	SOIL GRID	1.5	2		
HC66M1AAA	66M	09/29/2003	SOIL GRID	0	0.5		
HC66M1AAD	66M	09/29/2003	SOIL GRID	0	0.5		
HC66M1BAA	66M	09/29/2003	SOIL GRID	1.5	2		
HC66N1AAA	66N	09/29/2003	SOIL GRID	0	0.5		
HC66N1BAA	66N	09/29/2003	SOIL GRID	1.5	2		
HC66Q1AAA	66Q	09/30/2003	SOIL GRID	0	0.5		
HC66Q1BAA	66Q	09/30/2003	SOIL GRID	1.5	2		
HD66R1AAA	66R	09/30/2003	SOIL GRID	0	0.5		
HD66S1AAA	66S	09/30/2003	SOIL GRID	0	0.5		
HD66S1AAD	66S	09/30/2003	SOIL GRID	0	0.5		
HD66T1AAA	66T	09/30/2003	SOIL GRID	0	0.5		
HD66U1AAA	66U	09/30/2003	SOIL GRID	0	0.5		
HD66V1AAA	66V	09/30/2003	SOIL GRID	0	0.5		
HD66W1AAA	66W	09/30/2003	SOIL GRID	0	0.5		

Profiling methods include: Volatiles and Explosives
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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 09/05/03 - 10/04/03

SAMPLE_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
97-2C-A	97-2C	09/29/2003	GROUNDWATER	132	132	68	68	E314.0	PERCHLORATE	
RSNW03-A	RSNW03	10/01/2003	GROUNDWATER					E314.0	PERCHLORATE	
W02-05M1A	02-05	09/29/2003	GROUNDWATER	110	120	81.44	91.44	E314.0	PERCHLORATE	
W02-05M2A	02-05	09/29/2003	GROUNDWATER	92	102	63.41	73.41	E314.0	PERCHLORATE	
W02-05M3A	02-05	09/29/2003	GROUNDWATER	70	80	41.37	51.37	E314.0	PERCHLORATE	
W19SSA	MW-19	09/27/2003	GROUNDWATER	38	48	0	10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W19SSA	MW-19	09/27/2003	GROUNDWATER	38	48	0	10	8330N	2,4,6-TRINITROTOLUENE	YES
W19SSA	MW-19	09/27/2003	GROUNDWATER	38	48	0	10	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W19SSA	MW-19	09/27/2003	GROUNDWATER	38	48	0	10	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W19SSA	MW-19	09/27/2003	GROUNDWATER	38	48	0	10	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W213M3A	MW-213	09/22/2003	GROUNDWATER	77	82	29.38	34.38	E314.0	PERCHLORATE	
W31MMA	MW-31	09/27/2003	GROUNDWATER	113	123	28	38	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W31MMA	MW-31	09/27/2003	GROUNDWATER	113	123	28	38	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W31SSA	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	2,4,6-TRINITROTOLUENE	YES
W31SSA	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W31SSA	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W31SSA	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W31SSA	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	2,4-DINITROTOLUENE	YES
W31SSA	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W31SSD	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	2,4,6-TRINITROTOLUENE	YES
W31SSD	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W31SSD	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	2,4-DINITROTOLUENE	YES
W31SSD	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W31SSD	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W31SSD	MW-31	09/27/2003	GROUNDWATER	98	103	13	18	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W73SSA	MW-73	09/27/2003	GROUNDWATER	38.5	48.5	0	10	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
W73SSA	MW-73	09/27/2003	GROUNDWATER	38.5	48.5	0	10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BELOW GROUND SURFACE
SED = SAMPLE COLLECTION END DEPTH IN FEET BELOW GROUND SURFACE
BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed
*** = Interference in sample**
+ = PDAs are not good matches

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 09/05/03 - 10/04/03

SAMPLE_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
HC199G1AAA	199G	09/18/2003	SOIL GRID	0	0.5			E314.0	PERCHLORATE	
HC199G1AAD	199G	09/18/2003	SOIL GRID	0	0.5			E314.0	PERCHLORATE	

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BELOW GROUND SURFACE
SED = SAMPLE COLLECTION END DEPTH IN FEET BELOW GROUND SURFACE
BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed
*** = Interference in sample**
+ = PDAs are not good matches